

ABSTRACT OF THE DISCLOSURE

SYSTEM AND METHOD FOR SEARCHING USING A TEMPORAL DIMENSION

5 The present invention is directed to a system and a method for generating a
temporally ranked set of search results in response to a query. Each result in the set of
search results can be ranked temporally or based on the reputation associated with
authors of each result and the reputation associated with the repository where each result
is located. Temporal ranking takes into account a present importance weight and a future
importance weight are assigned to each result. The present importance of each result
10 uses creation date, publication date, in-link dates and search frequency, and the future
importance uses an aging factor based on the elapsed time from publication for each
search result and a rate at which each search result decreases in importance. Temporal
ranking can be applied as a modification of existing and common search engine
algorithms include PageRank and HITS.

15